

# Safety Data Sheet

## 1. Product and company identification

**GHS product identifier** : EL302QF 41-7014 INTERPON 700 TEXTRA PLATINUM GRY  
**Product code** : 8121297  
**Other means of identification** : EL302QF/25KG 41-7014  
**Product type** : Powder.

### Relevant identified uses of the substance or mixture and uses advised against

Electrostatic coating for use in industrial plants

**Supplier's details** : Akzo Nobel Coatings Inc.  
 150 Columbia Street  
 Reading, PA 19601 USA  
 1-610-372-3600

**Validation date** : 2-5-2018.

**Print date** : 2-5-2018.

**Emergency telephone number (with hours of operation)** : Chemtrec 800-424-9300  
 Chemtrec (International) 703-527-3887 (outside the US collect calls accepted)

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : COMBUSTIBLE DUSTS  
 RESPIRATORY SENSITIZATION - Category 1  
 SKIN SENSITIZATION - Category 1  
 CARCINOGENICITY - Category 2

### GHS label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : May form combustible dust concentrations in air.  
 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 May cause an allergic skin reaction.  
 Suspected of causing cancer.

### Precautionary statements

|   |   |
|---|---|
| <b>Prevention</b>                       | : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wear respiratory protection. Avoid breathing dust. Contaminated work clothing must not be allowed out of the workplace.  |
| <b>Response</b>                         | : IF exposed or concerned: Get medical attention. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or physician. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. |
| <b>Storage</b>                          | : Store locked up.  |
| <b>Disposal</b>                         | : Dispose of contents and container in accordance with all local, regional, national and international regulations.   |
| <b>Supplemental label elements</b>      | : Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.  |
| <b>Hazards not otherwise classified</b> | : Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.   |

### Section 3. Composition/information on ingredients

|                                      |                |
|--------------------------------------|----------------|
| <b>Substance/mixture</b>             | : Mixture      |
| <b>Product code</b>                  | : 8121297      |
| <b>Other means of identification</b> | : EL302QF/25KG |

#### CAS number/other identifiers

|                   |                   |
|-------------------|-------------------|
| <b>CAS number</b> | : Not applicable. |
|-------------------|-------------------|

| Ingredient name   | %         | CAS number |
|---|-----------|------------|
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] | ≥10 - ≤25 | 25036-25-3 |
| Limestone   | ≥10 - ≤25 | 1317-65-3  |
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride  | <1        | 552-30-7   |
| Cobalt aluminate blue spinel  | ≤0.3      | 1345-16-0  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

|                    |   |
|--------------------|---|
| <b>Eye contact</b> | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
|--------------------|---|

- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In the event of any complaints or symptoms, avoid further exposure.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

- Eye contact** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
irritation  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
wheezing and breathing difficulties  
asthma
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

- Specific hazards arising from the chemical** : May form explosible dust-air mixture if dispersed.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

- Large spill** : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name  | Exposure limits  |
|--|--|
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]<br>Limestone | None.<br><br><b>NIOSH REL (United States, 10/2013).</b><br>TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction<br>TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total<br><b>OSHA PEL (United States, 2/2013).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable |

|  |   |
|--|---|
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride | fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust<br><b>ACGIH TLV (United States, 3/2015).</b><br><b>Absorbed through skin. Skin sensitizer.</b><br><b>Inhalation sensitizer.</b><br>TWA: 0.0005 mg/m <sup>3</sup> 8 hours. Form:<br>Inhalable fraction and vapor<br>STEL: 0.002 mg/m <sup>3</sup> 15 minutes. Form:<br>Inhalable fraction and vapor<br><b>NIOSH REL (United States, 10/2013).</b><br>TWA: 0.04 mg/m <sup>3</sup> 10 hours.<br>TWA: 0.005 ppm 10 hours. |
| Cobalt aluminate blue spinel                   | <b>ACGIH TLV (United States, 3/2015).</b><br>TWA: 0.02 mg/m <sup>3</sup> , (as Co) 8 hours.   |

- Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## 9. Physical and chemical properties

**Physical state** : Solid. [Powder.]  
**Flash point** : Closed cup: Not applicable.  
**Auto-ignition temperature** : 450 to 600°C (842 to 1112°F)  
**Flammable limits** : 20 - 70 g/m<sup>3</sup>  
**Odor** : Odorless.  
**Relative density** : 1.2 to 1.9 [ISO 8130-2/-3]  
**Solubility** : Insoluble in the following materials: cold water and hot water.  
**Minimum ignition energy (mJ)** : 5 to 20

In operations where the powder is recovered for reuse, the average particle size may change and this in turn can lead to an alteration in MIE.

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.

**Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name   | Result                          | Species               | Dose  | Exposure |
|---|---------------------------------|-----------------------|---|----------|
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bis[oxirane] | LC50 Inhalation Dusts and mists | Rat                   | >5 mg/l                                       | 4 hours  |
|   | LD50 Dermal                     | Rabbit                | >5000 mg/kg                                   | -        |
| Limestone   | LD50 Oral                       | Rat                   | >5000 mg/kg                                   | -        |
|   | LC50 Inhalation Dusts and mists | Rat                   | >5 mg/l                                       | 4 hours  |
|   | LD50 Dermal                     | Rabbit                | >5000 mg/kg                                   | -        |
|   | LD50 Oral                       | Rat                   | >5000 mg/kg                                   | -        |
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride  | LC50 Inhalation Dusts and mists | Rat - Male, Female    | >2.23 mg/l (maximum attainable concentration) | 4 hours  |
|   | LD50 Dermal                     | Rabbit - Male, Female | 5600 mg/kg                                    | -        |
|   | LD50 Oral                       | Rat - Male, Female    | 2730 mg/kg                                    | -        |
|   | LD50 Oral                       | Rat - Male            | >10000 mg/kg                                  | -        |

#### Irritation/Corrosion

| Product/ingredient name                        | Result                 | Species | Score | Exposure | Observation |
|--|------------------------|---------|-------|----------|-------------|
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride | Skin - Mild irritant   | Rabbit  | -     | -        | -           |
|  | Eyes - Severe irritant | Rabbit  | -     | -        | -           |

#### Sensitization

| Product/ingredient name                        | Route of exposure | Species    | Result      |
|--|-------------------|------------|-------------|
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride | skin              | Guinea pig | Sensitizing |

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

| Product/ingredient name      | OSHA | IARC | NTP |
|------------------------------|------|------|-----|
| Cobalt aluminate blue spinel | -    | 2B   | -   |

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)



| Name   | Category   | Route of exposure | Target organs                |
|--|------------|-------------------|------------------------------|
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride | Category 3 | Not applicable.   | Respiratory tract irritation |

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure** : Not available.

**Potential acute health effects**

- Eye contact** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

- Eye contact** : Adverse symptoms may include the following:  
irritation  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
wheezing and breathing difficulties  
asthma
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

**Long term exposure**

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

|                              |  |
|------------------------------|--|
| <b>General</b>               | : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| <b>Carcinogenicity</b>       | : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.   |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards.  |
| <b>Teratogenicity</b>        | : No known significant effects or critical hazards.  |
| <b>Developmental effects</b> | : No known significant effects or critical hazards.  |
| <b>Fertility effects</b>     | : No known significant effects or critical hazards.  |

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

| Product/ingredient name  | Result                             | Species                         | Exposure |
|--|------------------------------------|---------------------------------|----------|
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] | Acute EC50 >100 mg/l               | Algae                           | 72 hours |
|  | Acute EC50 >100 mg/l               | Daphnia                         | 48 hours |
| Limestone  | Acute LC50 >100 mg/l               | Fish                            | 96 hours |
|  | Acute EC50 >200 mg/l Fresh water   | Algae - Desmodesmus subspicatus | 72 hours |
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride   | Acute LC50 >10000 mg/l Fresh water | Fish - Oncorhynchus mykiss      | 96 hours |
|  | Acute EC50 >739 mg/l Fresh water   | Algae - Desmodesmus subspicatus | 96 hours |
|  | Acute EC50 >792 mg/l Fresh water   | Daphnia - Daphnia magna         | 48 hours |
|  | Acute LC50 >896 mg/l Fresh water   | Fish - Leuciscus idus melanotus | 96 hours |
|  | Chronic NOEC 739 mg/l Fresh water  | Algae - Desmodesmus subspicatus | 96 hours |

### Persistence and degradability

| Product/ingredient name                        | Test | Result         | Dose | Inoculum |
|--|------|----------------|------|----------|
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride | -    | 99 % - 28 days | -    | -        |

| Product/ingredient name                        | Aquatic half-life | Photolysis | Biodegradability |
|--|-------------------|------------|------------------|
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride | -                 | -          | Readily          |

### Bioaccumulative potential

| Product/ingredient name                        | LogP <sub>ow</sub> | BCF | Potential |
|--|--------------------|-----|-----------|
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride | 0.06               | -   | low       |

#### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                                   | DOT Classification | TDG Classification | Mexico Classification | ADR/RID       | IMDG           | IATA           |
|-----------------------------------|--------------------|--------------------|-----------------------|---------------|----------------|----------------|
| <b>UN number</b>                  | Not regulated      | Not regulated      | Not regulated         | Not regulated | Not regulated. | Not regulated. |
| <b>UN proper shipping name</b>    | Not regulated      | Not regulated      | Not regulated         | Not regulated | Not regulated. | Not regulated. |
| <b>Transport hazard class(es)</b> | Not regulated      | Not regulated      | Not regulated         | Not regulated | Not regulated. | Not regulated. |
| <b>Packing group</b>              | -                  | -                  | -                     | -             | -              | -              |
| <b>Environmental hazards</b>      | No.                | No.                | No.                   | No.           | No.            | No.            |
| <b>Additional information</b>     | -                  | -                  | -                     | -             | -              | -              |

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

## Section 15. Regulatory information

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

### SARA 311/312

Classification : Fire hazard  
Immediate (acute) health hazard  
Delayed (chronic) health hazard

#### Composition/information on ingredients

| Name   | %    | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|--|------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| benzene-1,2,4-tricarboxylic acid 1,2-anhydride | <1   | Yes.        | No.                        | No.      | Yes.                            | No.                             |
| Cobalt aluminate blue spinel                   | ≤0.3 | No.         | No.                        | No.      | No.                             | Yes.                            |

### SARA 313

|                                 | Product name                 | CAS number | %    |
|---------------------------------|------------------------------|------------|------|
| Form R - Reporting requirements | Cobalt aluminate blue spinel | 1345-16-0  | ≤0.3 |
| Supplier notification           | Cobalt aluminate blue spinel | 1345-16-0  | ≤0.3 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

Massachusetts : The following components are listed: TITANIUM DIOXIDE; TIN DIOXIDE DUST; CALCIUM CARBONATE; MARBLE DUST

- New York** : None of the components are listed.
- New Jersey** : The following components are listed: TITANIUM DIOXIDE; TITANIUM OXIDE (TiO<sub>2</sub>); CALCIUM CARBONATE; LIMESTONE; SILICA, QUARTZ; QUARTZ (SiO<sub>2</sub>); COBALT compounds
- Pennsylvania** : The following components are listed: TITANIUM OXIDE; LIMESTONE; QUARTZ DUST; QUARTZ; COBALT COMPOUNDS

#### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

| Ingredient name                       | Cancer | Reproductive | No significant risk level | Maximum acceptable dosage level |
|---------------------------------------|--------|--------------|---------------------------|---------------------------------|
| titanium dioxide                      | Yes.   | No.          | No.                       | No.                             |
| crystalline silica, respirable powder | Yes.   | No.          | No.                       | No.                             |

#### International regulations

##### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

##### Montreal Protocol (Annexes A, B, C, E)

Not listed.

##### Stockholm Convention on Persistent Organic Pollutants

Not listed.

##### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

##### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

#### International lists

##### National inventory

- Australia** : Not determined.
- Canada** : At least one component is not listed in DSL but all such components are listed in NDSL.
- China** : All components are listed or exempted.
- Europe** : Not determined.
- Japan** : **Japan inventory (ENCS):** Not determined.  
**Japan inventory (ISHL):** Not determined.
- Malaysia** : Not determined.
- New Zealand** : Not determined.
- Philippines** : All components are listed or exempted.
- Republic of Korea** : All components are listed or exempted.
- Taiwan** : Not determined.
- Turkey** : Not determined.

## Section 16. Other information

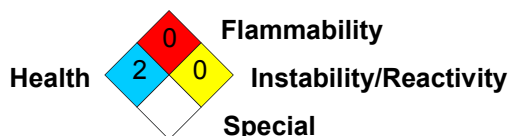
### Hazardous Material Information System (U.S.A.)

|                  |   |   |
|------------------|---|---|
| Health           | * | 2 |
| Flammability     |   | 0 |
| Physical hazards |   | 0 |
|                  |   |   |

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

| Classification                         | Justification         |
|--|-----------------------|
| COMBUSTIBLE DUSTS                      | On basis of test data |
| RESPIRATORY SENSITIZATION - Category 1 | Calculation method    |
| SKIN SENSITIZATION - Category 1        | Calculation method    |
| CARCINOGENICITY - Category 2           | Calculation method    |

### History

|                                |              |
|--------------------------------|--------------|
| Date of printing               | : 2-5-2018.  |
| Date of issue/Date of revision | : 2-5-2018.  |
| Date of previous issue         | : 23-2-2018. |
| Version                        | : 4.02       |

**Key to abbreviations**

: ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

**References**

: Not available.

✔ Indicates information that has changed from previously issued version.

[Notice to reader](#)

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.